

District of Columbia															
Short-Term Occupational Projections															
2021 to 2023															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
00-0000	Total, All Occupations	747,839	763,892	16,053	2.2	1.1	26,546	44,182	8,026	78,754	\$98,370	\$79,960			
11-0000	Management Occupations	104,715	105,779	1,064	1.0	0.5	2,358	5,700	532	8,590	\$156,530	\$151,110			
11-1000	Top Executives	31,734	32,165	431	1.4	0.7	658	1,922	216	2,796	N/A	N/A			
11-1011	Chief Executives	2,692	2,692	0	0.0	0.0	74	108	0	182	\$290,560	N/A	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	29,018	29,448	430	1.5	0.7	584	1,812	215	2,611	\$156,010	\$153,730	Bachelor's degree	5 years or more	None
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	9,724	10,066	342	3.5	1.7	234	586	171	991	N/A	N/A			
11-2011	Advertising and Promotions Managers	102	107	5	4.9	2.4	2	8	2	12	\$118,360	\$103,330	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	2,515	2,609	94	3.7	1.9	51	162	47	260	\$166,530	\$162,660	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	1,034	1,077	43	4.2	2.1	21	66	22	109	\$140,600	\$129,770	Bachelor's degree	Less than 5 years	None
11-2030	Public Relations and Fundraising Managers	6,073	6,273	200	3.3	1.6	160	350	100	610	N/A	N/A	Bachelor's degree	5 years or more	None
11-3000	Operations Specialties Managers	19,204	19,316	112	0.6	0.3	393	1,024	56	1,473	N/A	N/A			
11-3010	Administrative Services and Facilities Managers	1,420	1,429	9	0.6	0.3	40	71	4	115	N/A	N/A	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4,734	4,767	33	0.7	0.3	77	270	16	363	\$176,000	\$168,150	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	8,074	8,149	75	0.9	0.5	166	408	38	612	\$174,220	\$163,340	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	51	51	0	0.0	0.0	1	2	0	3	\$123,790	\$117,050	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	2,241	2,208	-33	-1.5	-0.7	48	120	-16	152	\$150,900	\$148,930	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	533	535	2	0.4	0.2	10	30	1	41	\$140,760	\$144,120	High school diploma or equivalent	5 years or more	None
11-3111	Compensation and Benefits Managers	114	113	-1	-0.9	-0.4	2	6	0	8	\$144,860	\$131,150	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	1,819	1,837	18	1.0	0.5	42	102	9	153	\$162,810	\$162,040	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	218	227	9	4.1	2.0	5	14	4	23	\$142,120	\$131,620	Bachelor's degree	5 years or more	None
11-9000	Other Management Occupations	44,053	44,232	179	0.4	0.2	1,074	2,168	90	3,332	N/A	N/A			
11-9021	Construction Managers	1,978	2,045	67	3.4	1.7	42	102	34	178	\$114,630	\$99,640	Bachelor's degree	None	Moderate-term on-the-job training
11-9031	Education Administrators, Preschool and Childcare Center/Program	460	469	9	2.0	1.0	12	22	4	38	N/A	N/A	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	1,316	1,375	59	4.5	2.2	34	62	30	126	\$120,610	\$125,430	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	1,401	1,389	-12	-0.9	-0.4	34	65	-6	93	\$118,500	\$97,940	Master's degree	Less than 5 years	None
11-9039	Education Administrators, All Other	1,133	1,146	13	1.2	0.6	28	53	6	87	\$110,350	\$117,500	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	1,655	1,638	-17	-1.0	-0.5	30	84	-8	106	\$158,100	\$159,270	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	1,008	1,194	186	18.5	8.8	34	88	93	215	\$78,630	\$76,130	High school diploma or equivalent	Less than 5 years	None
11-9081	Lodging Managers	60	71	11	18.3	8.8	2	4	6	12	\$109,430	\$98,780	High school diploma or equivalent	Less than 5 years	None
11-9111	Medical and Health Services Managers	1,689	1,762	73	4.3	2.1	43	88	36	167	\$151,370	\$133,640	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	1,473	1,469	-4	-0.3	-0.1	29	72	-2	99	\$165,840	\$158,540	Bachelor's degree	5 years or more	None
11-9141	Property, Real Estate, and Community Association Managers	2,856	2,884	28	1.0	0.5	109	108	14	231	\$79,370	\$62,470	High school diploma or equivalent	Less than 5 years	None
11-9151	Social and Community Service Managers	648	658	10	1.5	0.8	20	35	5	60	\$105,660	\$98,580	Bachelor's degree	Less than 5 years	None
11-9161	Emergency Management Directors	239	240	1	0.4	0.2	8	11	0	19	\$126,670	\$144,120	Bachelor's degree	5 years or more	None
11-9198	Personal Service Managers; Entertainment & Recreation Managers, Excl	28,101	27,855	-246	-0.9	-0.4	649	1,372	-123	1,898	N/A	N/A	Bachelor's degree	Less than 5 years	None
13-0000	Business and Financial Operations Occupations	129,940	131,469	1,529	1.2	0.6	3,390	7,324	764	11,478	\$104,310	\$100,620			
13-1000	Business Operations Specialists	105,896	107,235	1,339	1.3	0.6	2,806	5,956	670	9,432	N/A	N/A			
13-1020	Buyers and Purchasing Agents	3,290	3,195	-95	-2.9	-1.5	110	208	-48	270	\$105,030	\$104,620	Bachelor's degree	None	Moderate-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	577	556	-21	-3.6	-1.8	14	30	-10	34	\$83,130	\$78,420	High school diploma or equivalent	None	Long-term on-the-job training
13-1041	Compliance Officers	4,690	4,704	14	0.3	0.1	114	250	7	371	\$98,740	\$96,570	Bachelor's degree	None	Moderate-term on-the-job training
13-1051	Cost Estimators	391	396	5	1.3	0.6	11	24	2	37	\$95,670	\$79,830	Bachelor's degree	None	Moderate-term on-the-job training
13-1071	Human Resources Specialists	8,379	8,411	32	0.4	0.2	228	558	16	802	\$99,620	\$99,050	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	239	238	-1	-0.4	-0.2	6	16	0	22	\$104,110	\$97,290	Bachelor's degree	Less than 5 years	None
13-1081	Logisticians	1,250	1,288	38	3.0	1.5	26	82	19	127	\$110,400	\$106,600	Bachelor's degree	None	None
13-1111	Management Analysts	22,924	23,650	726	3.2	1.6	749	1,340	363	2,452	\$110,670	\$107,140	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	2,000	2,083	83	4.2	2.1	61	150	42	253	\$70,470	\$62,110	Bachelor's degree	None	None
13-1131	Fundraisers	2,530	2,618	88	3.5	1.7	80	164	44	288	\$75,520	\$62,680	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	523	530	7	1.3	0.7	16	31	4	51	\$83,790	\$78,500	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	1,611	1,682	71	4.4	2.2	50	101	36	187	\$84,380	\$79,930	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	7,037	7,418	381	5.4	2.7	172	528	190	890	\$87,390	\$78,870	Bachelor's degree	None	None
13-1198	Project Management Specialists and Business Operations Specialists, All	50,437	50,441	4	0.0	0.0	1,170	2,474	2	3,646	N/A	N/A	Bachelor's degree	None	None
13-2000	Financial Specialists	24,044	24,234	190	0.8	0.4	584	1,368	95	2,047	N/A	N/A			
13-2011	Accountants and Auditors	10,923	11,095	172	1.6	0.8	307	652	86	1,045	\$110,240	\$101,280	Bachelor's degree	None	None
13-2020	Property Appraisers and Assessors	220	222	2	0.9	0.5	8	8	1	17	\$101,440	\$105,050	Bachelor's degree	None	Long-term on-the-job training
13-2031	Budget Analysts	2,282	2,273	-9	-0.4	-0.2	54	118	-4	168	\$106,380	\$104,000	Bachelor's degree	None	None
13-2041	Credit Analysts	263	254	-9	-3.4	-1.7	4	18	-4	18	\$77,310	\$76,450	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	724	719	-5	-0.7	-0.3	16	36	-2	50	\$156,670	\$127,930	Bachelor's degree	None	Long-term on-the-job training
13-2053	Insurance Underwriters	112	106	-6	-5.4	-2.7	2	6	-3	5	\$110,120	\$98,760	Bachelor's degree	None	Moderate-term on-the-job training
13-2061	Financial Examiners	718	715	-3	-0.4	-0.2	19	34	-2	51	\$164,820	\$167,290	Bachelor's degree	None	Long-term on-the-job training
13-2071	Credit Counselors	119	120	1	0.8	0.4	2	6	0	8	\$69,020	\$60,540	Bachelor's degree	None	Moderate-term on-the-job training
13-2072	Loan Officers	442	428	-14	-3.2	-1.6	10	24	-7	27	\$98,200	\$81,170	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
13-2081	Tax Examiners and Collectors, and Revenue Agents	379	383	4	1.1	0.5	15	17	2	34	N/A	N/A	Bachelor's degree	None	Moderate-term on-the-job training
13-2082	Tax Preparers	174	184	10	5.8	2.8	10	10	5	25	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Finan	7,688	7,735	47	0.6	0.3	136	440	24	600	N/A	N/A	Bachelor's degree	None	None
15-0000	Computer and Mathematical Occupations	50,721	52,458	1,737	3.4	1.7	1,116	2,540	868	4,524	\$113,720	\$110,590			
15-1200	Computer Occupations	46,644	48,187	1,543	3.3	1.6	1,030	2,344	772	4,146	N/A	N/A			
15-1211	Computer Systems Analysts	2,876	2,945	69	2.4	1.2	57	143	34	234	\$118,050	\$120,300	Bachelor's degree	None	None
15-1212	Information Security Analysts	1,712	1,848	136	7.9	3.9	28	98	68	194	\$124,980	\$124,550	Bachelor's degree	Less than 5 years	None
15-1221	Computer and Information Research Scientists	594	606	12	2.0	1.0	10	30	6	46	\$123,260	\$131,460	Master's degree	None	None
15-1231	Computer Network Support Specialists	320	323	3	0.9	0.5	6	17	2	25	\$86,880	\$80,110	Associate's degree	None	None
15-1232	Computer User Support Specialists	3,556	3,680	124	3.5	1.7	68	192	62	322	\$73,930	\$77,240	Some college, no degree	None	None
15-1241	Computer Network Architects	1,405	1,437	32	2.3	1.1	20	64	16	100	\$126,360	\$129,150	Bachelor's degree	5 years or more	None
15-1244	Network and Computer Systems Administrators	1,641	1,673	32	2.0	1.0	28	78	16	122	\$104,490	\$101,460	Bachelor's degree	None	None
15-1245	Database Administrators and Architects	929	949	20	2.2	1.1	22	46	10	78	N/A	N/A	Bachelor's degree	None	None
15-1251	Computer Programmers	428	423	-5	-1.2	-0.6	8	20	-2	26	\$112,120	\$101,000	Bachelor's degree	None	None
15-1256	Software Developers and Software Quality Assurance Analysts and Test	9,563	10,111	548	5.7	2.8	228	482	274	984	N/A	N/A	Bachelor's degree	None	None

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		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
15-1257	Web Developers and Digital Interface Designers	1,625	1,660	35	2.2	1.1	38	80	18	136	N/A	N/A	Bachelor's degree	None	None
15-1299	Computer Occupations, All Other	21,995	22,532	537	2.4	1.2	516	1,092	268	1,876	\$120,910	\$126,610	Bachelor's degree	None	None
15-2000	Mathematical Science Occupations	4,077	4,271	194	4.8	2.4	86	196	97	379	N/A	N/A			
15-2011	Actuaries	209	206	-3	-1.4	-0.7	4	8	-2	10	\$139,090	\$138,860	Bachelor's degree	None	Long-term on-the-job training
15-2021	Mathematicians	73	72	-1	-1.4	-0.7	2	4	0	6	\$143,060	\$135,030	Master's degree	None	None
15-2031	Operations Research Analysts	1,559	1,607	48	3.1	1.5	34	69	24	127	\$90,650	\$79,050	Bachelor's degree	None	None
15-2041	Statisticians	1,571	1,668	97	6.2	3.0	33	81	48	162	\$108,180	\$103,750	Master's degree	None	None
15-2098	Data Scientists and Mathematical Science Occupations, All Other	665	718	53	8.0	3.9	14	34	26	74	N/A	N/A	Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	13,373	13,476	103	0.8	0.4	309	608	52	969	\$117,160	\$114,050			
17-1000	Architects, Surveyors, and Cartographers	2,103	2,177	74	3.5	1.7	60	92	37	189	N/A	N/A			
17-1011	Architects, Except Landscape and Naval	1,806	1,873	67	3.7	1.8	50	78	34	162	\$114,540	\$100,490	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	170	173	3	1.8	0.9	4	8	2	14	\$100,820	\$100,960	Bachelor's degree	None	Internship/residency
17-1021	Cartographers and Photogrammetrists	51	52	1	2.0	1.0	2	2	0	4	\$104,560	\$98,830	Bachelor's degree	None	None
17-1022	Surveyors	76	79	3	4.0	2.0	2	4	2	8	\$57,810	\$47,010	Bachelor's degree	None	Internship/residency
17-2000	Engineers	9,393	9,387	-6	-0.1	0.0	192	397	-3	586	N/A	N/A			
17-2011	Aerospace Engineers	443	449	6	1.4	0.7	9	16	3	28	\$137,390	\$144,250	Bachelor's degree	None	None
17-2031	Biomedical Engineers	60	61	1	1.7	0.8	2	2	0	4	\$89,530	\$95,580	Bachelor's degree	None	None
17-2041	Chemical Engineers	106	104	-2	-1.9	-0.9	2	4	-1	5	N/A	N/A	Bachelor's degree	None	None
17-2051	Civil Engineers	1,432	1,480	48	3.4	1.7	29	72	24	125	\$95,450	\$95,580	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	515	512	-3	-0.6	-0.3	10	24	-2	32	\$117,730	\$107,140	Bachelor's degree	None	None
17-2071	Electrical Engineers	630	642	12	1.9	0.9	15	26	6	47	\$123,280	\$120,700	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	677	670	-7	-1.0	-0.5	16	27	-4	39	\$136,380	\$135,030	Bachelor's degree	None	None
17-2081	Environmental Engineers	301	302	1	0.3	0.2	7	14	0	21	\$108,870	\$103,690	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspe	122	121	-1	-0.8	-0.4	2	5	0	7	\$102,750	\$99,640	Bachelor's degree	None	None
17-2112	Industrial Engineers	143	143	0	0.0	0.0	3	6	0	9	\$94,970	\$87,190	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	482	487	5	1.0	0.5	6	18	2	26	\$134,580	\$134,760	Bachelor's degree	None	None
17-2131	Materials Engineers	118	116	-2	-1.7	-0.9	2	4	-1	5	N/A	N/A	Bachelor's degree	None	None
17-2141	Mechanical Engineers	662	658	-4	-0.6	-0.3	12	27	-2	37	\$113,840	\$107,140	Bachelor's degree	None	None
17-2161	Nuclear Engineers	148	145	-3	-2.0	-1.0	3	6	-2	7	\$146,190	\$141,190	Bachelor's degree	None	None
17-2199	Engineers, All Other	3,528	3,470	-58	-1.6	-0.8	74	144	-29	189	\$139,880	\$147,010	Bachelor's degree	None	None
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	1,877	1,912	35	1.9	0.9	58	120	18	196	N/A	N/A			
17-3011	Architectural and Civil Drafters	609	626	17	2.8	1.4	19	40	8	67	\$75,980	\$62,230	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	113	119	6	5.3	2.6	4	8	3	15	\$81,650	\$77,240	Associate's degree	None	None
17-3013	Mechanical Drafters	33	34	1	3.0	1.5	1	2	0	3	\$50,630	\$48,510	Associate's degree	None	None
17-3021	Aerospace Engineering and Operations Technicians	175	183	8	4.6	2.3	6	11	4	21	\$111,870	\$101,670	Associate's degree	None	None
17-3022	Civil Engineering Technicians	145	148	3	2.1	1.0	4	9	2	15	N/A	N/A	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	291	291	0	0.0	0.0	8	18	0	26	\$92,260	\$88,490	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	38	38	0	0.0	0.0	2	4	0	6	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
17-3098	Calibration and Engineering Technologists and Technicians, Except Dra	441	440	-1	-0.2	-0.1	13	27	0	40	N/A	N/A	Associate's degree	None	None
19-0000	Life, Physical, and Social Science Occupations	28,762	28,734	-28	-0.1	0.0	604	1,923	-14	2,513	\$112,400	\$107,140			
19-1000	Life Scientists	1,659	1,643	-16	-1.0	-0.5	26	112	-8	130	N/A	N/A			
19-1013	Soil and Plant Scientists	79	78	-1	-1.3	-0.6	2	6	0	8	N/A	N/A	Bachelor's degree	None	None
19-1021	Biochemists and Biophysicists	120	117	-3	-2.5	-1.3	2	8	-2	8	\$95,570	\$95,220	Doctoral or professional degree	None	None
19-1022	Microbiologists	56	56	0	0.0	0.0	1	4	0	5	N/A	N/A	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	103	103	0	0.0	0.0	2	7	0	9	N/A	N/A	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	638	614	-24	-3.8	-1.9	10	44	-12	42	\$124,290	\$104,400	Bachelor's degree	None	None
19-1031	Conservation Scientists	146	151	5	3.4	1.7	3	10	2	15	\$85,900	\$82,090	Bachelor's degree	None	None
19-1032	Foresters	41	42	1	2.4	1.2	1	3	0	4	\$107,120	\$104,100	Bachelor's degree	None	None
19-1041	Epidemiologists	41	44	3	7.3	3.6	0	2	2	4	N/A	N/A	Master's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	408	412	4	1.0	0.5	6	24	2	32	\$116,430	\$99,640	Doctoral or professional degree	None	None
19-2000	Physical Scientists	4,361	4,368	7	0.2	0.1	69	299	4	372	N/A	N/A			
19-2011	Astronomers	80	79	-1	-1.3	-0.6	2	4	0	6	N/A	N/A	Doctoral or professional degree	None	None
19-2012	Physicists	832	825	-7	-0.8	-0.4	14	40	-4	50	\$129,260	\$131,870	Doctoral or professional degree	None	None
19-2021	Atmospheric and Space Scientists	39	39	0	0.0	0.0	0	2	0	2	N/A	N/A	Bachelor's degree	None	None
19-2031	Chemists	349	344	-5	-1.4	-0.7	5	26	-2	29	\$128,460	\$131,330	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	2,034	2,076	42	2.1	1.0	34	163	21	218	\$123,900	\$127,880	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	54	54	0	0.0	0.0	1	4	0	5	N/A	N/A	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	963	941	-22	-2.3	-1.1	12	59	-11	60	\$142,490	\$148,930	Bachelor's degree	None	None
19-3000	Social Scientists and Related Workers	16,655	16,642	-13	-0.1	0.0	348	962	-6	1,304	N/A	N/A			
19-3011	Economists	6,277	6,331	54	0.9	0.4	118	318	27	463	\$140,690	\$134,760	Master's degree	None	None
19-3022	Survey Researchers	782	776	-6	-0.8	-0.4	17	51	-3	65	\$96,920	\$79,000	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	664	686	22	3.3	1.6	18	26	11	55	N/A	N/A	Doctoral or professional degree	None	Internship/residency
19-3032	Industrial-Organizational Psychologists	36	35	-1	-2.8	-1.4	1	2	0	3	N/A	N/A	Master's degree	None	Internship/residency
19-3039	Psychologists, All Other	659	641	-18	-2.7	-1.4	17	26	-9	34	\$104,440	\$105,300	Master's degree	None	Internship/residency
19-3051	Urban and Regional Planners	238	238	0	0.0	0.0	4	16	0	20	\$107,330	\$105,300	Master's degree	None	None
19-3091	Anthropologists and Archeologists	70	69	-1	-1.4	-0.7	2	4	0	6	N/A	N/A	Master's degree	None	None
19-3092	Geographers	34	34	0	0.0	0.0	0	2	0	2	N/A	N/A	Bachelor's degree	None	None
19-3093	Historians	323	321	-2	-0.6	-0.3	7	21	-1	27	\$103,370	\$113,360	Master's degree	None	None
19-3094	Political Scientists	4,241	4,224	-17	-0.4	-0.2	92	278	-8	362	\$126,210	\$127,880	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	3,312	3,268	-44	-1.3	-0.7	72	216	-22	266	\$107,100	\$107,140	Bachelor's degree	None	None
19-4000	Life, Physical, and Social Science Technicians	5,653	5,642	-11	-0.2	-0.1	150	532	-6	676	N/A	N/A			
19-4021	Biological Technicians	354	352	-2	-0.6	-0.3	8	36	-1	43	\$50,540	\$48,130	Bachelor's degree	None	None
19-4031	Chemical Technicians	37	36	-1	-2.7	-1.4	0	4	0	4	\$72,940	\$58,720	Associate's degree	None	Moderate-term on-the-job training
19-4045	Geological and Hydrologic Technicians	196	204	8	4.1	2.0	6	19	4	29	N/A	N/A	Associate's degree	None	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	3,705	3,687	-18	-0.5	-0.2	99	347	-9	437	\$66,720	\$59,100	Bachelor's degree	None	None
19-4071	Forest and Conservation Technicians	131	140	9	6.9	3.4	4	12	4	20	N/A	N/A	Associate's degree	None	None

District of Columbia																
Short-Term Occupational Projections																
2021 to 2023																
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training			
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency	
	19-4092 Forensic Science Technicians	211	218	7	3.3	1.6	6	20	4	30	N/A	N/A	Bachelor's degree	None	Moderate-term on-the-job training	
	19-4099 Life, Physical, and Social Science Technicians, All Other	982	966	-16	-1.6	-0.8	26	92	-8	110	N/A	N/A	Associate's degree	None	None	
	19-5000 Occupational Health and Safety Specialists and Technicians	434	439	5	1.2	0.6	12	18	2	32	N/A	N/A				
	19-5011 Occupational Health and Safety Specialists	386	389	3	0.8	0.4	10	16	2	28	\$94,260	\$94,570	Bachelor's degree	None	None	
	19-5012 Occupational Health and Safety Technicians	48	50	2	4.2	2.1	2	2	1	5	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training	
21-0000	Community and Social Service Occupations	11,309	11,599	290	2.6	1.3	381	745	145	1,271	\$70,340	\$62,420				
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	10,733	11,016	283	2.6	1.3	354	706	142	1,202	N/A	N/A				
21-1012	Educational, Guidance, School, and Vocational Counselors	1,302	1,345	43	3.3	1.6	43	78	22	143	\$69,520	\$63,340	Master's degree	None	None	
21-1013	Marriage and Family Therapists	31	31	0	0.0	0.0	1	2	0	3	N/A	N/A	Master's degree	None	Internship/residency	
21-1015	Rehabilitation Counselors	885	889	4	0.5	0.2	29	52	2	83	\$49,450	\$47,560	Master's degree	None	None	
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	1,053	1,099	46	4.4	2.2	35	64	23	122	\$64,920	\$60,600	Bachelor's degree	None	None	
21-1019	Counselors, All Other	287	299	12	4.2	2.1	10	18	6	34	\$60,710	\$60,600	Master's degree	None	None	
21-1021	Child, Family, and School Social Workers	2,146	2,208	62	2.9	1.4	61	138	31	230	\$70,340	\$76,240	Bachelor's degree	None	None	
21-1022	Healthcare Social Workers	378	380	2	0.5	0.3	10	24	1	35	\$87,000	\$78,020	Master's degree	None	Internship/residency	
21-1023	Mental Health and Substance Abuse Social Workers	612	619	7	1.1	0.6	18	39	4	61	\$73,500	\$61,660	Master's degree	None	Internship/residency	
21-1029	Social Workers, All Other	224	221	-3	-1.3	-0.7	6	14	-2	18	\$68,880	\$60,020	Bachelor's degree	None	None	
21-1091	Health Educators	624	626	2	0.3	0.2	21	43	1	65	\$94,610	\$97,460	Bachelor's degree	None	None	
21-1093	Social and Human Service Assistants	1,713	1,764	51	3.0	1.5	70	131	26	227	\$62,210	\$60,360	High school diploma or equivalent	None	Short-term on-the-job training	
21-1094	Community Health Workers	797	832	35	4.4	2.2	28	56	18	102	\$69,370	\$63,340	High school diploma or equivalent	None	Short-term on-the-job training	
21-1099	Community and Social Service Specialists, All Other	667	689	22	3.3	1.6	23	46	11	80	\$79,160	\$77,020	Bachelor's degree	None	None	
21-2000	Religious Workers	576	583	7	1.2	0.6	27	39	4	70	N/A	N/A				
21-2011	Clergy	200	200	0	0.0	0.0	8	12	0	20	\$71,710	\$63,310	Bachelor's degree	None	Moderate-term on-the-job training	
21-2021	Directors, Religious Activities and Education	167	170	3	1.8	0.9	6	12	2	20	\$88,460	\$76,890	Bachelor's degree	Less than 5 years	None	
21-2099	Religious Workers, All Other	209	213	4	1.9	1.0	12	15	2	29	\$68,020	\$62,420	Bachelor's degree	None	None	
23-0000	Legal Occupations	48,005	48,488	483	1.0	0.5	1,192	1,554	242	2,988	\$177,510	\$170,690				
23-1000	Lawyers, Judges, and Related Workers	39,046	39,346	300	0.8	0.4	848	965	150	1,963	N/A	N/A				
23-1011	Lawyers	38,545	38,844	299	0.8	0.4	836	952	150	1,938	\$198,820	\$172,490	Doctoral or professional degree	None	None	
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	388	387	-1	-0.3	-0.1	8	10	0	18	N/A	N/A	Doctoral or professional degree	5 years or more	Short-term on-the-job training	
23-1022	Arbitrators, Mediators, and Conciliators	113	115	2	1.8	0.9	2	3	1	6	\$115,810	\$102,080	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training	
23-2000	Legal Support Workers	8,959	9,142	183	2.0	1.0	344	588	92	1,024	N/A	N/A				
23-2011	Paralegals and Legal Assistants	6,454	6,605	151	2.3	1.2	252	440	76	768	\$83,420	\$77,840	Associate's degree	None	None	
23-2099	Legal Support Workers, All Other	2,479	2,512	33	1.3	0.7	90	146	16	252	\$86,380	\$77,190	Associate's degree	None	None	
25-0000	Education, Training, and Library Occupations	32,433	33,148	715	2.2	1.1	1,391	1,508	358	3,257	\$78,190	\$75,150				
25-1000	Postsecondary Teachers	8,751	8,726	-25	-0.3	-0.1	392	408	-12	788	N/A	N/A				
25-1011	Business Teachers, Postsecondary	596	590	-6	-1.0	-0.5	26	28	-3	51	\$118,860	\$99,030	Doctoral or professional degree	None	None	
25-1021	Computer Science Teachers, Postsecondary	204	202	-2	-1.0	-0.5	9	10	-1	18	\$118,860	\$100,130	Doctoral or professional degree	None	None	
25-1022	Mathematical Science Teachers, Postsecondary	207	205	-2	-1.0	-0.5	9	10	-1	18	\$87,170	\$77,890	Doctoral or professional degree	None	None	
25-1031	Architecture Teachers, Postsecondary	51	51	0	0.0	0.0	2	2	0	4	\$105,020	\$97,110	Doctoral or professional degree	None	None	
25-1032	Engineering Teachers, Postsecondary	166	165	-1	-0.6	-0.3	8	8	0	16	\$109,410	\$99,640	Doctoral or professional degree	None	None	
25-1042	Biological Science Teachers, Postsecondary	289	290	1	0.4	0.2	13	14	0	27	\$111,360	\$99,300	Doctoral or professional degree	None	None	
25-1052	Chemistry Teachers, Postsecondary	80	79	-1	-1.3	-0.6	4	4	0	8	\$100,220	\$96,450	Doctoral or professional degree	None	None	
25-1053	Environmental Science Teachers, Postsecondary	32	31	-1	-3.1	-1.6	2	2	0	4	N/A	N/A	Doctoral or professional degree	None	None	
25-1054	Physics Teachers, Postsecondary	100	99	-1	-1.0	-0.5	4	4	0	8	\$104,590	\$96,450	Doctoral or professional degree	None	None	
25-1061	Anthropology and Archeology Teachers, Postsecondary	46	45	-1	-2.2	-1.1	2	2	0	4	\$100,940	\$97,110	Doctoral or professional degree	None	None	
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	187	185	-2	-1.1	-0.5	8	8	-1	15	\$85,400	\$77,740	Doctoral or professional degree	None	None	
25-1063	Economics Teachers, Postsecondary	207	205	-2	-1.0	-0.5	9	10	-1	18	\$156,490	\$154,890	Doctoral or professional degree	None	None	
25-1065	Political Science Teachers, Postsecondary	789	784	-5	-0.6	-0.3	35	37	-2	70	\$113,740	\$97,110	Doctoral or professional degree	None	None	
25-1066	Psychology Teachers, Postsecondary	150	150	0	0.0	0.0	6	7	0	13	\$105,510	\$99,030	Doctoral or professional degree	None	None	
25-1067	Sociology Teachers, Postsecondary	97	96	-1	-1.0	-0.5	4	4	0	8	\$93,760	\$78,610	Doctoral or professional degree	None	None	
25-1069	Social Sciences Teachers, Postsecondary, All Other	85	84	-1	-1.2	-0.6	4	4	0	8	\$94,550	\$78,060	Doctoral or professional degree	None	None	
25-1071	Health Specialties Teachers, Postsecondary	1,140	1,164	24	2.1	1.0	52	54	12	118	\$124,550	\$100,030	Doctoral or professional degree	Less than 5 years	None	
25-1072	Nursing Instructors and Teachers, Postsecondary	119	122	3	2.5	1.3	6	6	2	14	\$100,030	\$100,050	Doctoral or professional degree	Less than 5 years	None	
25-1081	Education Teachers, Postsecondary	508	503	-5	-1.0	-0.5	22	24	-2	44	\$54,690	\$31,200	Doctoral or professional degree	Less than 5 years	None	
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	73	73	0	0.0	0.0	4	4	0	8	N/A	N/A	Doctoral or professional degree	None	None	
25-1112	Law Teachers, Postsecondary	779	776	-3	-0.4	-0.2	35	36	-2	69	\$149,220	\$125,170	Doctoral or professional degree	Less than 5 years	None	
25-1113	Social Work Teachers, Postsecondary	38	38	0	0.0	0.0	2	2	0	4	\$82,700	\$77,860	Doctoral or professional degree	None	None	
25-1121	Art, Drama, and Music Teachers, Postsecondary	378	377	-1	-0.3	-0.1	17	18	0	35	\$80,870	\$75,940	Master's degree	None	None	
25-1122	Communications Teachers, Postsecondary	226	224	-2	-0.9	-0.4	10	10	-1	19	\$92,910	\$77,740	Doctoral or professional degree	None	None	
25-1123	English Language and Literature Teachers, Postsecondary	290	288	-2	-0.7	-0.3	13	14	-1	26	\$90,310	\$77,370	Doctoral or professional degree	None	None	
25-1124	Foreign Language and Literature Teachers, Postsecondary	610	609	-1	-0.2	-0.1	28	28	0	56	\$76,040	\$76,350	Doctoral or professional degree	None	None	
25-1125	History Teachers, Postsecondary	123	122	-1	-0.8	-0.4	6	6	0	12	\$103,620	\$96,450	Doctoral or professional degree	None	None	
25-1126	Philosophy and Religion Teachers, Postsecondary	247	246	-1	-0.4	-0.2	11	12	0	23	\$93,120	\$96,450	Doctoral or professional degree	None	None	
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	53	52	-1	-1.9	-0.9	2	2	0	4	N/A	N/A	Doctoral or professional degree	None	None	
25-1199	Postsecondary Teachers, All Other	809	799	-10	-1.2	-0.6	36	38	-5	69	\$87,960	\$75,150	Doctoral or professional degree	None	None	
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	11,629	12,146	517	4.5	2.2	364	500	258	1,122	N/A	N/A				
25-2011	Preschool Teachers, Except Special Education	940	981	41	4.4	2.2	40	56	20	116	\$55,960	\$46,990	Associate's degree	None	None	
25-2012	Kindergarten Teachers, Except Special Education	251	261	10	4.0	2.0	10	15	5	30	\$59,870	\$61,730	Bachelor's degree	None	None	
25-2021	Elementary School Teachers, Except Special Education	4,098	4,286	188	4.6	2.3	128	168	94	390	\$78,010	\$77,490	Bachelor's degree	None	None	
25-2022	Middle School Teachers, Except Special and Career/Technical Education	817	854	37	4.5	2.2	26	34	18	78	\$74,510	\$77,170	Bachelor's degree	None	None	
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	3,746	3,906	160	4.3	2.1	102	155	80	337	\$77,760	\$77,570	Bachelor's degree	None	None	
25-2051	Special Education Teachers, Preschool	36	38	2	5.6	2.7	1	2	1	4	N/A	N/A	Bachelor's degree	None	None	
25-2052	Special Education Teachers, Kindergarten and Elementary School	875	915	40	4.6	2.3	29	36	20	85	\$81,050	\$77,310	Bachelor's degree	None	None	
25-2057	Special Education Teachers, Middle School	262	275	13	5.0	2.5	8	10	6	24	\$83,250	\$81,550	Bachelor's degree	None	None	
25-2058	Special Education Teachers, Secondary School	358	374	16	4.5	2.2	12	14	8	34	\$79,700	\$77,280	Bachelor's degree	None	None	
25-2059	Special Education Teachers, All Other	216	225	9	4.2	2.1	7	9	4	20	\$70,550	\$60,270	Bachelor's degree	None	None	

District of Columbia																
Short-Term Occupational Projections																
2021 to 2023																
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training			
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency	
25-3000	Other Teachers and Instructors	3,029	3,052	23	0.8	0.4	182	162	12	356	N/A	N/A				
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	389	379	-10	-2.6	-1.3	23	20	-5	38	\$63,970	\$61,010	Bachelor's degree	None	None	
25-3021	Self-Enrichment Education Teachers	702	725	23	3.3	1.6	42	38	12	92	\$50,810	\$37,210	High school diploma or equivalent	Less than 5 years	None	
25-3031	Substitute Teachers, Short-Term	116	122	6	5.2	2.6	7	6	3	16	\$33,510	\$31,200	Bachelor's degree	None	None	
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	1,822	1,826	4	0.2	0.1	109	98	2	209	N/A	N/A	Bachelor's degree	None	None	
25-4000	Librarians, Curators, and Archivists	2,807	2,819	12	0.4	0.2	161	150	6	317	N/A	N/A				
25-4011	Archivists	171	169	-2	-1.2	-0.6	8	10	-1	17	\$80,630	\$78,460	Master's degree	None	None	
25-4012	Curators	192	195	3	1.6	0.8	10	12	2	24	\$82,030	\$76,870	Master's degree	None	None	
25-4013	Museum Technicians and Conservators	568	562	-6	-1.1	-0.5	28	34	-3	59	\$73,760	\$75,170	Bachelor's degree	None	None	
25-4022	Librarians and Media Collections Specialists	1,216	1,228	12	1.0	0.5	60	54	6	120	\$87,540	\$81,640	Master's degree	None	None	
25-4031	Library Technicians	660	665	5	0.8	0.4	54	41	2	97	\$55,770	\$59,250	Postsecondary non-degree award	None	None	
25-9000	Other Education, Training, and Library Occupations	6,217	6,405	188	3.0	1.5	294	288	94	676	N/A	N/A				
25-9031	Instructional Coordinators	1,579	1,617	38	2.4	1.2	78	70	19	167	\$107,260	\$107,140	Master's degree	5 years or more	None	
25-9044	Teaching Assistants, Postsecondary	406	401	-5	-1.2	-0.6	18	19	-2	35	\$44,560	\$47,130	Bachelor's degree	None	None	
25-9045	Teaching Assistants, Except Postsecondary	3,330	3,469	139	4.2	2.1	152	159	70	381	\$37,970	\$37,290	Some college, no degree	None	None	
25-9099	Education, Training, and Library Workers, All Other	902	918	16	1.8	0.9	45	40	8	93	\$75,500	\$76,030	Bachelor's degree	None	None	
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	43,163	44,287	1,124	2.6	1.3	1,334	2,778	562	4,674	\$99,120	\$80,810				
27-1000	Art and Design Workers	6,106	6,153	47	0.8	0.4	236	344	24	604	N/A	N/A				
27-1011	Art Directors	624	642	18	2.9	1.4	30	33	9	72	\$110,610	\$103,400	Bachelor's degree	5 years or more	None	
27-1014	Multimedia Artists and Animators	287	293	6	2.1	1.0	14	15	3	32	\$95,890	\$99,240	Bachelor's degree	None	None	
27-1019	Artists and Related Workers, All Other	1,791	1,755	-36	-2.0	-1.0	86	92	-18	160	N/A	N/A	No formal educational credential	None	Long-term on-the-job training	
27-1023	Floral Designers	61	63	2	3.3	1.6	2	4	1	7	\$43,110	\$42,910	High school diploma or equivalent	None	Moderate-term on-the-job training	
27-1024	Graphic Designers	1,559	1,572	13	0.8	0.4	48	93	6	147	\$85,070	\$78,050	Bachelor's degree	None	None	
27-1025	Interior Designers	1,003	1,029	26	2.6	1.3	31	60	13	104	\$79,420	\$62,910	Bachelor's degree	None	None	
27-1026	Merchandise Displayers and Window Trimmers	71	74	3	4.2	2.1	2	4	2	8	\$34,280	\$31,280	High school diploma or equivalent	None	Short-term on-the-job training	
27-1027	Set and Exhibit Designers	456	458	2	0.4	0.2	14	27	1	42	\$69,030	\$63,240	Bachelor's degree	None	None	
27-1029	Designers, All Other	189	197	8	4.2	2.1	6	12	4	22	\$85,920	\$75,940	Bachelor's degree	None	None	
27-2000	Entertainers and Performers, Sports and Related Workers	4,431	4,705	274	6.2	3.0	154	300	137	591	N/A	N/A				
27-2011	Actors	422	466	44	10.4	5.1	18	30	22	70	N/A	N/A	Some college, no degree	None	Long-term on-the-job training	
27-2012	Producers and Directors	2,746	2,823	77	2.8	1.4	61	176	38	275	\$94,080	\$80,790	Bachelor's degree	Less than 5 years	None	
27-2021	Athletes and Sports Competitors	40	52	12	30.0	14.0	2	4	6	12	N/A	N/A	No formal educational credential	None	Long-term on-the-job training	
27-2022	Coaches and Scouts	451	471	20	4.4	2.2	26	37	10	73	\$72,260	\$61,000	Bachelor's degree	None	None	
27-2031	Dancers	85	108	23	27.1	12.7	6	10	12	28	N/A	N/A	No formal educational credential	None	Long-term on-the-job training	
27-2032	Choreographers	52	63	11	21.2	10.1	4	6	6	16	N/A	N/A	High school diploma or equivalent	5 years or more	Long-term on-the-job training	
27-2041	Music Directors and Composers	114	120	6	5.3	2.6	7	6	3	16	\$104,220	\$62,290	Bachelor's degree	Less than 5 years	None	
27-2042	Musicians and Singers	347	378	31	8.9	4.4	22	20	16	58	N/A	N/A	No formal educational credential	None	Long-term on-the-job training	
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	158	205	47	29.8	13.9	7	10	24	41	N/A	N/A	No formal educational credential	None	Short-term on-the-job training	
27-3000	Media and Communication Workers	29,270	29,945	675	2.3	1.1	843	1,907	338	3,088	N/A	N/A				
27-3011	Radio and Television Announcers	429	434	5	1.2	0.6	16	24	2	42	\$102,460	\$79,690	Bachelor's degree	None	None	
27-3023	News Analysts, Reporters, and Journalists	2,209	2,270	61	2.8	1.4	66	172	30	268	\$111,360	\$80,090	Bachelor's degree	None	None	
27-3031	Public Relations Specialists	18,623	19,135	512	2.8	1.4	472	1,239	256	1,967	\$106,040	\$90,110	Bachelor's degree	None	None	
27-3041	Editors	3,341	3,366	25	0.8	0.4	110	210	12	332	\$99,400	\$81,960	Bachelor's degree	Less than 5 years	None	
27-3042	Technical Writers	587	595	8	1.4	0.7	16	36	4	56	\$91,120	\$98,990	Bachelor's degree	Less than 5 years	Short-term on-the-job training	
27-3043	Writers and Authors	2,979	2,966	-13	-0.4	-0.2	119	164	-6	277	\$93,210	\$80,790	Bachelor's degree	None	Long-term on-the-job training	
27-3091	Interpreters and Translators	906	982	76	8.4	4.1	36	52	38	126	\$97,510	\$122,710	Bachelor's degree	None	None	
27-3099	Media and Communication Workers, All Other	196	197	1	0.5	0.3	8	10	0	18	\$75,250	\$62,300	High school diploma or equivalent	None	Short-term on-the-job training	
27-4000	Media and Communication Equipment Workers	3,356	3,484	128	3.8	1.9	101	226	64	391	N/A	N/A				
27-4011	Audio and Video Equipment Technicians	612	646	34	5.6	2.7	16	46	17	79	\$74,770	\$76,240	Postsecondary non-degree award	None	Short-term on-the-job training	
27-4012	Broadcast Technicians	457	463	6	1.3	0.7	12	34	3	49	\$73,480	\$74,890	Associate's degree	None	Short-term on-the-job training	
27-4014	Sound Engineering Technicians	109	109	0	0.0	0.0	3	8	0	11	\$81,100	\$80,610	Postsecondary non-degree award	None	Short-term on-the-job training	
27-4021	Photographers	788	876	88	11.2	5.4	28	47	44	119	\$84,590	\$80,110	High school diploma or equivalent	None	Moderate-term on-the-job training	
27-4031	Camera Operators, Television, Video, and Motion Picture	515	523	8	1.6	0.8	16	32	4	52	\$82,110	\$77,670	Bachelor's degree	None	None	
27-4032	Film and Video Editors	414	414	0	0.0	0.0	13	26	0	39	\$80,290	\$78,040	Bachelor's degree	None	None	
27-4098	Lighting Technicians and Media and Communication Equipment Workers	461	453	-8	-1.7	-0.9	12	34	-4	42	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training	
29-0000	Healthcare Practitioners and Technical Occupations	29,395	29,634	239	0.8	0.4	721	790	120	1,631	\$106,340	\$79,810				
29-1000	Health Diagnosing and Treating Practitioners	22,225	22,490	265	1.2	0.6	518	489	132	1,139	N/A	N/A				
29-1021	Dentists, General	638	647	9	1.4	0.7	12	6	4	22	\$181,410	N/A	Doctoral or professional degree	None	None	
29-1029	Dentists, All Other Specialists	34	33	-1	-2.9	-1.5	0	0	0	0	N/A	N/A	Doctoral or professional degree	None	Internship/residency	
29-1031	Dietitians and Nutritionists	335	345	10	3.0	1.5	11	12	5	28	\$80,600	\$77,810	Bachelor's degree	None	Internship/residency	
29-1041	Optometrists	111	114	3	2.7	1.3	2	2	2	6	N/A	N/A	Doctoral or professional degree	None	None	
29-1051	Pharmacists	1,044	1,050	6	0.6	0.3	20	20	3	43	\$116,340	\$128,780	Doctoral or professional degree	None	None	
29-1071	Physician Assistants	530	566	36	6.8	3.3	8	22	18	48	\$122,890	\$125,560	Master's degree	None	None	
29-1122	Occupational Therapists	359	366	7	2.0	1.0	8	12	4	24	\$90,150	\$78,430	Master's degree	None	None	
29-1123	Physical Therapists	590	600	10	1.7	0.8	12	12	5	29	\$96,070	\$95,870	Doctoral or professional degree	None	None	
29-1124	Radiation Therapists	122	123	1	0.8	0.4	2	4	0	6	\$94,070	\$95,870	Associate's degree	None	None	
29-1125	Recreational Therapists	73	72	-1	-1.4	-0.7	2	3	0	5	\$68,770	\$76,230	Bachelor's degree	None	None	
29-1126	Respiratory Therapists	274	284	10	3.7	1.8	6	7	5	18	\$77,820	\$77,610	Associate's degree	None	None	
29-1127	Speech-Language Pathologists	484	510	26	5.4	2.7	12	18	13	43	\$98,240	\$95,870	Master's degree	None	Internship/residency	
29-1129	Therapists, All Other	73	75	2	2.7	1.4	2	2	1	5	\$70,400	\$77,210	Bachelor's degree	None	None	
29-1131	Veterinarians	143	158	15	10.5	5.1	2	2	8	12	\$137,170	\$127,980	Doctoral or professional degree	None	None	
29-1141	Registered Nurses	10,241	10,264	23	0.2	0.1	274	258	12	544	\$98,540	\$95,220	Bachelor's degree	None	None	
29-1161	Nurse Midwives	65	66	1	1.5	0.8	2	2	0	4	\$94,030	\$96,660	Master's degree	None	None	
29-1171	Nurse Practitioners	847	914	67	7.9	3.9	18	28	34	80	\$125,290	\$121,470	Master's degree	None	None	
29-1181	Audiologists	102	104	2	2.0	1.0	2	2	1	5	\$106,720	\$120,000	Doctoral or professional degree	None	None	
29-1211	Anesthesiologists	118	118	0	0.0	0.0	2	2	0	4	\$355,780	N/A	Doctoral or professional degree	None	Internship/residency	
29-1215	Family Medicine Physicians	221	219	-2	-0.9	-0.5	4	2	-1	5	\$217,500	\$195,840	Doctoral or professional degree	None	Internship/residency	



District of Columbia																
Short-Term Occupational Projections																
2021 to 2023																
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training			
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency	
29-1216	General Internal Medicine Physicians	1,842	1,880	38	2.1	1.0	30	21	19	70	\$162,650	\$78,620	Doctoral or professional degree	None	Internship/residency	
29-1218	Obstetricians and Gynecologists	110	111	1	0.9	0.5	2	1	0	3	\$205,580	\$195,840	Doctoral or professional degree	None	Internship/residency	
29-1221	Pediatricians, General	310	311	1	0.3	0.2	5	4	0	9	N/A	N/A	Doctoral or professional degree	None	Internship/residency	
29-1223	Psychiatrists	214	217	3	1.4	0.7	4	2	2	8	\$149,570	\$63,430	Doctoral or professional degree	None	Internship/residency	
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	2,113	2,121	8	0.4	0.2	34	24	4	62	N/A	N/A	Doctoral or professional degree	None	Internship/residency	
29-1248	Surgeons, Except Ophthalmologists	273	275	2	0.7	0.4	4	3	1	8	N/A	N/A	Doctoral or professional degree	None	Internship/residency	
29-1292	Dental Hygienists	231	235	4	1.7	0.9	8	6	2	16	\$81,400	\$76,960	Associate's degree	None	None	
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	659	643	-16	-2.4	-1.2	28	10	-8	30	N/A	N/A	Master's degree	None	None	
29-2000	Health Technologists and Technicians	6,867	6,831	-36	-0.5	-0.3	194	288	-18	464	N/A	N/A				
29-2010	Clinical Laboratory Technologists and Technicians	1,057	1,029	-28	-2.7	-1.3	27	38	-14	51	\$65,950	\$61,650	Bachelor's degree	None	None	
29-2031	Cardiovascular Technologists and Technicians	144	144	0	0.0	0.0	4	6	0	10	\$82,630	\$79,340	Associate's degree	None	None	
29-2032	Diagnostic Medical Sonographers	142	143	1	0.7	0.4	4	6	0	10	\$99,860	\$101,650	Associate's degree	None	None	
29-2033	Nuclear Medicine Technologists	113	91	-22	-19.5	-10.3	6	6	-11	1	\$104,450	\$101,650	Associate's degree	None	None	
29-2034	Radiologic Technologists	470	460	-10	-2.1	-1.1	12	20	-5	27	\$79,320	\$77,240	Associate's degree	None	None	
29-2035	Magnetic Resonance Imaging Technologists	92	89	-3	-3.3	-1.6	2	4	-2	4	\$91,080	\$95,220	Associate's degree	Less than 5 years	None	
29-2040	Emergency Medical Technicians and Paramedics	583	580	-3	-0.5	-0.3	11	27	-2	36	N/A	N/A	Postsecondary non-degree award	None	None	
29-2051	Dietetic Technicians	178	174	-4	-2.3	-1.1	5	8	-2	11	\$34,030	\$31,200	Associate's degree	None	None	
29-2052	Pharmacy Technicians	609	624	15	2.5	1.2	17	26	8	51	\$45,030	\$46,550	High school diploma or equivalent	None	Moderate-term on-the-job training	
29-2053	Psychiatric Technicians	361	364	3	0.8	0.4	10	16	2	28	\$54,220	\$61,340	Postsecondary non-degree award	Less than 5 years	Short-term on-the-job training	
29-2055	Surgical Technologists	276	277	1	0.4	0.2	8	12	0	20	\$65,250	\$61,680	Postsecondary non-degree award	None	None	
29-2056	Veterinary Technologists and Technicians	183	203	20	10.9	5.3	6	8	10	24	\$68,110	\$47,010	Associate's degree	None	None	
29-2057	Ophthalmic Medical Technicians	173	182	9	5.2	2.6	5	8	4	17	\$42,060	\$31,300	Postsecondary non-degree award	None	None	
29-2061	Licensed Practical and Licensed Vocational Nurses	1,354	1,339	-15	-1.1	-0.6	46	56	-8	94	\$57,250	\$59,810	Postsecondary non-degree award	None	None	
29-2081	Opticians, Dispensing	59	59	0	0.0	0.0	2	2	0	4	\$41,370	\$36,700	High school diploma or equivalent	None	Long-term on-the-job training	
29-2091	Orthotists and Prosthetists	84	86	2	2.4	1.2	2	4	1	7	\$51,240	\$38,110	Master's degree	None	Internship/residency	
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists, All Other	978	975	-3	-0.3	-0.2	26	42	-2	66	N/A	N/A	Postsecondary non-degree award	None	None	
29-9000	Other Healthcare Practitioners and Technical Occupations	303	313	10	3.3	1.6	8	13	5	26	N/A	N/A				
29-9091	Athletic Trainers	73	78	5	6.9	3.4	2	3	2	7	\$67,760	\$60,920	Bachelor's degree	None	None	
29-9092	Genetic Counselors	39	41	2	5.1	2.5	1	2	1	4	\$89,860	\$95,870	Master's degree	None	None	
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Health Technicians, All Other	191	194	3	1.6	0.8	6	8	2	16	N/A	N/A	Postsecondary non-degree award	None	None	
31-0000	Healthcare Support Occupations	18,636	18,568	-68	-0.4	-0.2	1,114	1,120	-34	2,200	\$37,170	\$31,890				
31-1100	Home Health and Personal Care Aides; and Nursing Assistants, Orderlies, and Health Technicians, All Other	14,681	14,559	-122	-0.8	-0.4	936	828	-61	1,703	N/A	N/A				
31-1120	Home Health and Personal Care Aides	11,340	11,268	-72	-0.6	-0.3	724	640	-36	1,328	\$32,900	\$31,280	High school diploma or equivalent	None	Short-term on-the-job training	
31-1131	Nursing Assistants	3,075	3,022	-53	-1.7	-0.9	195	172	-26	341	\$39,390	\$37,500	Postsecondary non-degree award	None	None	
31-1132	Orderlies	154	154	0	0.0	0.0	10	8	0	18	\$37,280	\$37,750	High school diploma or equivalent	None	Short-term on-the-job training	
31-1133	Psychiatric Aides	112	115	3	2.7	1.3	8	6	2	16	\$35,630	\$31,250	High school diploma or equivalent	None	Short-term on-the-job training	
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	273	281	8	2.9	1.5	12	20	4	36	N/A	N/A				
31-2012	Occupational Therapy Aides	30	30	0	0.0	0.0	2	2	0	4	\$43,280	\$38,220	High school diploma or equivalent	None	Short-term on-the-job training	
31-2021	Physical Therapist Assistants	156	160	4	2.6	1.3	7	12	2	21	\$55,060	\$48,480	Associate's degree	None	None	
31-2022	Physical Therapist Aides	58	61	3	5.2	2.6	2	4	2	8	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training	
31-9000	Other Healthcare Support Occupations	3,682	3,728	46	1.3	0.6	166	272	23	461	N/A	N/A				
31-9011	Massage Therapists	127	142	15	11.8	5.7	8	7	8	23	\$52,020	\$47,230	Postsecondary non-degree award	None	None	
31-9091	Dental Assistants	568	574	6	1.1	0.5	26	40	3	69	\$45,950	\$47,550	Postsecondary non-degree award	None	None	
31-9092	Medical Assistants	2,003	2,089	86	4.3	2.1	84	153	43	280	\$46,690	\$47,550	Postsecondary non-degree award	None	None	
31-9093	Medical Equipment Preparers	154	154	0	0.0	0.0	8	10	0	18	\$55,070	\$48,980	High school diploma or equivalent	None	Moderate-term on-the-job training	
31-9094	Medical Transcriptionists	95	93	-2	-2.1	-1.1	5	8	-1	12	N/A	N/A	Postsecondary non-degree award	None	None	
31-9095	Pharmacy Aides	67	68	1	1.5	0.7	4	5	0	9	\$47,130	\$46,950	High school diploma or equivalent	None	Short-term on-the-job training	
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	98	107	9	9.2	4.5	5	12	4	21	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training	
31-9097	Phlebotomists	348	278	-70	-20.1	-10.6	14	23	-35	2	\$45,390	\$46,550	Postsecondary non-degree award	None	None	
31-9099	Healthcare Support Workers, All Other	222	223	1	0.5	0.2	12	14	0	26	\$59,520	\$55,700	High school diploma or equivalent	None	None	
33-0000	Protective Service Occupations	29,766	29,902	136	0.5	0.2	1,225	1,868	68	3,161	\$72,650	\$62,080				
33-1000	Supervisors of Protective Service Workers	2,657	2,662	5	0.2	0.1	71	122	2	195	N/A	N/A				
33-1011	First-Line Supervisors of Correctional Officers	54	54	0	0.0	0.0	2	2	0	4	N/A	N/A	High school diploma or equivalent	Less than 5 years	None	
33-1012	First-Line Supervisors of Police and Detectives	1,449	1,447	-2	-0.1	-0.1	32	60	-1	91	\$130,720	\$130,160	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	361	369	8	2.2	1.1	8	14	4	26	\$110,810	\$100,800	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training	
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	793	792	-1	-0.1	-0.1	29	46	0	75	N/A	N/A	High school diploma or equivalent	Less than 5 years	None	
33-2000	Fire Fighting and Prevention Workers	1,545	1,577	32	2.1	1.0	36	80	16	132	N/A	N/A				
33-2011	Firefighters	1,478	1,507	29	2.0	1.0	33	77	14	124	N/A	N/A	Postsecondary non-degree award	None	Long-term on-the-job training	
33-2021	Fire Inspectors and Investigators	67	70	3	4.5	2.2	4	4	2	10	\$87,580	\$99,820	Postsecondary non-degree award	5 years or more	Moderate-term on-the-job training	
33-3000	Law Enforcement Workers	11,457	11,427	-30	-0.3	-0.1	306	566	-15	857	N/A	N/A				
33-3012	Correctional Officers and Jailers	927	929	2	0.2	0.1	35	50	1	86	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training	
33-3021	Detectives and Criminal Investigators	3,975	3,940	-35	-0.9	-0.4	101	183	-18	266	\$123,760	\$133,930	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	
33-3041	Parking Enforcement Workers	256	240	-16	-6.3	-3.2	13	12	-8	17	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training	
33-3051	Police and Sheriff's Patrol Officers	6,299	6,318	19	0.3	0.2	158	320	10	488	\$82,060	\$79,310	High school diploma or equivalent	None	Moderate-term on-the-job training	
33-9000	Other Protective Service Workers	14,107	14,236	129	0.9	0.5	811	1,100	64	1,975	N/A	N/A				
33-9021	Private Detectives and Investigators	73	76	3	4.1	2.0	2	4	2	8	N/A	N/A	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	
33-9032	Security Guards	13,314	13,417	103	0.8	0.4	708	1,036	52	1,796	\$52,840	\$50,110	High school diploma or equivalent	None	Short-term on-the-job training	
33-9091	Crossing Guards	337	346	9	2.7	1.3	50	18	4	72	\$41,550	\$37,700	No formal educational credential	None	Short-term on-the-job training	
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	190	202	12	6.3	3.1	27	22	6	55	\$53,050	\$49,620	No formal educational credential	None	Short-term on-the-job training	
33-9098	School Bus Monitors and Protective Service Workers, All Other	175	176	1	0.6	0.3	24	20	0	44	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training	
35-0000	Food Preparation and Serving Related Occupations	35,832	41,408	5,576	15.6	7.5	2,756	3,881	2,788	9,425	\$41,840	\$35,530				
35-1000	Supervisors of Food Preparation and Serving Workers	3,035	3,530	495	16.3	7.8	134	332	248	714	N/A	N/A				
35-1011	Chefs and Head Cooks	763	889	126	16.5	7.9	24	81	63	168	\$63,800	\$60,340	High school diploma or equivalent	5 years or more	None	
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	2,272	2,641	369	16.2	7.8	110	250	184	544	\$54,220	\$46,550	High school diploma or equivalent	Less than 5 years	None	
35-2000	Cooks and Food Preparation Workers	11,145	12,813	1,668	15.0	7.2	755	1,042	834	2,631	N/A	N/A				

District of Columbia															
Short-Term Occupational Projections															
2021 to 2023															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
35-2011	Cooks, Fast Food	2,440	2,734	294	12.1	5.9	152	222	147	521	\$38,920	\$34,290	No formal educational credential	None	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	995	1,088	93	9.4	4.6	62	89	46	197	\$40,220	\$37,480	No formal educational credential	None	Short-term on-the-job training
35-2013	Cooks, Private Household	139	128	-11	-7.9	-4.0	8	12	-6	14	N/A	N/A	Postsecondary non-degree award	Less than 5 years	None
35-2014	Cooks, Restaurant	4,941	6,009	1,068	21.6	10.3	322	468	534	1,324	\$40,380	\$36,750	No formal educational credential	Less than 5 years	Moderate-term on-the-job training
35-2015	Cooks, Short Order	120	137	17	14.2	6.8	8	11	8	27	\$38,170	\$38,360	No formal educational credential	None	Short-term on-the-job training
35-2019	Cooks, All Other	51	58	7	13.7	6.6	3	4	4	11	N/A	N/A	No formal educational credential	None	Moderate-term on-the-job training
35-2021	Food Preparation Workers	2,459	2,659	200	8.1	4.0	201	236	100	537	\$36,850	\$35,940	No formal educational credential	None	Short-term on-the-job training
35-3000	Food and Beverage Serving Workers	15,924	18,433	2,509	15.8	7.6	1,320	1,946	1,254	4,520	N/A	N/A			
35-3011	Bartenders	2,930	3,481	551	18.8	9.0	145	388	276	809	\$42,790	\$33,250	No formal educational credential	None	Short-term on-the-job training
35-3023	Fast Food and Counter Workers	5,783	6,629	846	14.6	7.1	602	656	423	1,681	\$34,450	\$33,100	No formal educational credential	None	Short-term on-the-job training
35-3031	Waiters and Waitresses	6,601	7,664	1,063	16.1	7.8	524	852	532	1,908	\$48,240	\$34,880	No formal educational credential	None	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	610	659	49	8.0	3.9	50	50	24	124	\$45,070	\$38,720	No formal educational credential	None	Short-term on-the-job training
35-9000	Other Food Preparation and Serving Related Workers	5,728	6,632	904	15.8	7.6	548	562	452	1,562	N/A	N/A			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,953	2,290	337	17.3	8.3	183	184	168	535	\$36,790	\$34,040	No formal educational credential	None	Short-term on-the-job training
35-9021	Dishwashers	2,502	2,841	339	13.6	6.6	201	224	170	595	\$34,550	\$33,480	No formal educational credential	None	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,248	1,472	224	18.0	8.6	161	153	112	426	\$37,440	\$35,910	No formal educational credential	None	Short-term on-the-job training
37-0000	Building and Grounds Cleaning and Maintenance Occupations	21,310	22,669	1,359	6.4	3.1	1,357	1,518	680	3,555	\$39,140	\$37,770			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	1,601	1,723	122	7.6	3.7	70	115	61	246	N/A	N/A			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,562	1,682	120	7.7	3.8	70	112	60	242	\$50,630	\$48,140	High school diploma or equivalent	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	39	41	2	5.1	2.5	1	3	1	5	\$66,130	\$62,500	High school diploma or equivalent	Less than 5 years	None
37-2000	Building Cleaning and Pest Control Workers	18,837	20,025	1,188	6.3	3.1	1,248	1,326	594	3,168	N/A	N/A			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	12,176	12,973	797	6.6	3.2	785	882	398	2,065	\$37,580	\$36,300	No formal educational credential	None	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	6,295	6,653	358	5.7	2.8	440	416	179	1,035	\$38,950	\$37,810	No formal educational credential	None	Short-term on-the-job training
37-2019	Building Cleaning Workers, All Other	331	363	32	9.7	4.7	22	24	16	62	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
37-2021	Pest Control Workers	35	36	1	2.9	1.4	1	4	0	5	\$48,840	\$39,250	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3000	Grounds Maintenance Workers	872	921	49	5.6	2.8	39	77	24	140	N/A	N/A			
37-3011	Landscaping and Groundskeeping Workers	819	868	49	6.0	2.9	36	72	24	132	\$46,780	\$43,810	No formal educational credential	None	Short-term on-the-job training
39-0000	Personal Care and Service Occupations	10,995	11,642	647	5.9	2.9	728	886	324	1,938	\$45,300	\$36,830			
39-1000	Supervisors of Personal Care and Service Workers	450	484	34	7.6	3.7	17	32	17	66	N/A	N/A			
39-1098	First-Line Supervisors of Personal Service & Entertainment and Recreation Workers	449	483	34	7.6	3.7	17	32	17	66	N/A	N/A	High school diploma or equivalent	Less than 5 years	None
39-2000	Animal Care and Service Workers	385	429	44	11.4	5.6	26	34	22	82	N/A	N/A			
39-2021	Nonfarm Animal Caretakers	365	405	40	11.0	5.3	24	32	20	76	\$39,560	\$37,450	High school diploma or equivalent	None	Short-term on-the-job training
39-3000	Entertainment Attendants and Related Workers	1,025	1,216	191	18.6	8.9	132	117	96	345	N/A	N/A			
39-3031	Ushers, Lobby Attendants, and Ticket Takers	718	862	144	20.1	9.6	100	80	72	252	\$35,980	\$31,920	No formal educational credential	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	253	289	36	14.2	6.9	26	30	18	74	\$33,790	\$31,200	No formal educational credential	None	Short-term on-the-job training
39-4000	Funeral Service Workers	66	66	0	0.0	0.0	4	5	0	9	N/A	N/A			
39-4021	Funeral Attendants	40	40	0	0.0	0.0	2	3	0	5	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
39-5000	Personal Appearance Workers	1,192	1,271	79	6.6	3.3	63	67	40	170	N/A	N/A			
39-5011	Barbers	90	94	4	4.4	2.2	4	5	2	11	\$35,560	\$31,200	Postsecondary non-degree award	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	759	812	53	7.0	3.4	42	44	26	112	\$72,530	\$58,990	Postsecondary non-degree award	None	None
39-5091	Makeup Artists, Theatrical and Performance	47	49	2	4.3	2.1	2	2	1	5	\$103,820	\$101,480	Postsecondary non-degree award	None	None
39-5092	Manicurists and Pedicurists	89	97	8	9.0	4.4	4	5	4	13	\$46,040	\$46,400	Postsecondary non-degree award	None	None
39-5093	Shampooers	78	82	4	5.1	2.5	4	4	2	10	\$31,340	\$31,200	No formal educational credential	None	Short-term on-the-job training
39-5094	Skincare Specialists	129	137	8	6.2	3.1	7	7	4	18	\$77,560	\$74,890	Postsecondary non-degree award	None	None
39-6000	Baggage Porters, Bellhops, and Concierges	1,735	1,856	121	7.0	3.4	93	137	60	290	N/A	N/A			
39-6011	Baggage Porters and Bellhops	425	470	45	10.6	5.2	23	34	22	79	\$42,220	\$38,810	High school diploma or equivalent	None	Short-term on-the-job training
39-6012	Concierges	1,310	1,386	76	5.8	2.9	70	103	38	211	\$35,810	\$31,920	High school diploma or equivalent	None	Moderate-term on-the-job training
39-7000	Tour and Travel Guides	80	88	8	10.0	4.9	6	8	4	18	N/A	N/A			
39-7010	Tour and Travel Guides	80	88	8	10.0	4.9	6	8	4	18	\$46,890	\$43,640	High school diploma or equivalent	None	Moderate-term on-the-job training
39-9000	Other Personal Care and Service Workers	6,062	6,232	170	2.8	1.4	388	486	85	959	N/A	N/A			
39-9011	Childcare Workers	3,771	3,727	-44	-1.2	-0.6	252	262	-22	492	\$37,300	\$36,330	High school diploma or equivalent	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	1,023	1,206	183	17.9	8.6	66	106	92	264	\$61,370	\$61,540	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	560	585	25	4.5	2.2	34	54	12	100	\$43,140	\$37,600	High school diploma or equivalent	None	Short-term on-the-job training
39-9041	Residential Advisors	667	674	7	1.1	0.5	34	60	4	98	\$37,200	\$31,450	High school diploma or equivalent	None	Short-term on-the-job training
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	41	40	-1	-2.4	-1.2	2	3	0	5	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
41-0000	Sales and Related Occupations	25,112	25,678	566	2.3	1.1	1,302	2,019	283	3,604	\$56,090	\$37,410			
41-1000	Supervisors of Sales Workers	2,238	2,293	55	2.5	1.2	76	152	28	256	N/A	N/A			
41-1011	First-Line Supervisors of Retail Sales Workers	1,721	1,762	41	2.4	1.2	62	120	20	202	\$53,530	\$47,550	High school diploma or equivalent	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	517	531	14	2.7	1.3	15	31	7	53	\$95,740	\$98,230	High school diploma or equivalent	Less than 5 years	None
41-2000	Retail Sales Workers	12,525	12,770	245	2.0	1.0	896	1,122	122	2,140	N/A	N/A			
41-2011	Cashiers	6,714	6,927	213	3.2	1.6	580	653	106	1,339	\$33,800	\$31,230	No formal educational credential	None	Short-term on-the-job training
41-2021	Counter and Rental Clerks	825	853	28	3.4	1.7	38	58	14	110	\$39,940	\$37,590	No formal educational credential	None	Short-term on-the-job training
41-2022	Parts Salespersons	71	70	-1	-1.4	-0.7	3	6	0	9	N/A	N/A	No formal educational credential	None	Moderate-term on-the-job training
41-2031	Retail Salespersons	4,915	4,920	5	0.1	0.1	275	406	2	683	\$36,120	\$31,440	No formal educational credential	None	Short-term on-the-job training
41-3000	Sales Representatives, Services	5,626	5,816	190	3.4	1.7	154	452	95	701	N/A	N/A			
41-3011	Advertising Sales Agents	918	918	0	0.0	0.0	28	86	0	114	\$78,760	\$62,300	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	472	461	-11	-2.3	-1.2	16	26	-6	36	\$100,050	\$63,720	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,395	1,371	-24	-1.7	-0.9	30	87	-12	105	\$116,970	\$79,280	Bachelor's degree	None	Moderate-term on-the-job training
41-3041	Travel Agents	223	277	54	24.2	11.5	12	16	27	55	\$53,210	\$46,280	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial, and Real Estate	2,618	2,789	171	6.5	3.2	68	238	86	392	\$73,100	\$62,300	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4000	Sales Representatives, Wholesale and Manufacturing	1,777	1,805	28	1.6	0.8	53	121	14	188	N/A	N/A			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	610	616	6	1.0	0.5	18	42	3	63	\$118,270	\$104,660	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,167	1,189	22	1.9	0.9	35	80	11	126	\$73,120	\$61,380	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9000	Other Sales and Related Workers	2,946	2,994	48	1.6	0.8	123	172	24	319	N/A	N/A			
41-9011	Demonstrators and Product Promoters	187	195	8	4.3	2.1	21	12	4	37	N/A	N/A	No formal educational credential	None	Short-term on-the-job training

District of Columbia															
Short-Term Occupational Projections															
2021 to 2023															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
41-9021	Real Estate Brokers	345	351	6	1.7	0.9	14	16	3	33	\$112,650	\$100,390	High school diploma or equivalent	Less than 5 years	None
41-9022	Real Estate Sales Agents	1,461	1,470	9	0.6	0.3	61	64	4	129	\$77,710	\$62,350	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9031	Sales Engineers	729	755	26	3.6	1.8	15	61	13	89	\$127,780	\$127,380	Bachelor's degree	None	Moderate-term on-the-job training
41-9041	Telemarketers	70	67	-3	-4.3	-2.2	3	7	-2	8	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	49	46	-3	-6.1	-3.1	4	2	-2	4	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	105	110	5	4.8	2.4	5	9	2	16	\$45,710	\$37,380	High school diploma or equivalent	None	None
43-0000	Office and Administrative Support Occupations	69,394	69,160	-234	-0.3	-0.2	3,380	4,232	-117	7,495	\$57,660	\$49,190			
43-1000	Supervisors of Office and Administrative Support Workers	3,889	3,905	16	0.4	0.2	144	238	8	390	N/A	N/A			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	3,889	3,905	16	0.4	0.2	144	238	8	390	\$86,850	\$78,190	High school diploma or equivalent	Less than 5 years	None
43-2000	Communications Equipment Operators	633	613	-20	-3.2	-1.6	32	42	-10	64	N/A	N/A			
43-2011	Switchboard Operators, Including Answering Service	149	143	-6	-4.0	-2.0	8	8	-3	13	\$45,750	\$46,450	High school diploma or equivalent	None	Short-term on-the-job training
43-2021	Telephone Operators	480	466	-14	-2.9	-1.5	24	33	-7	50	\$46,410	\$45,760	High school diploma or equivalent	None	Short-term on-the-job training
43-3000	Financial Clerks	5,263	5,254	-9	-0.2	-0.1	259	298	-4	553	N/A	N/A			
43-3011	Bill and Account Collectors	255	258	3	1.2	0.6	10	18	2	30	\$62,840	\$61,870	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing and Posting Clerks	831	835	4	0.5	0.2	34	51	2	87	\$66,440	\$61,870	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,710	2,746	36	1.3	0.7	160	140	18	318	\$60,130	\$60,030	Some college, no degree	None	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	292	291	-1	-0.3	-0.2	14	16	0	30	\$64,120	\$60,100	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3061	Procurement Clerks	353	352	-1	-0.3	-0.1	10	22	0	32	\$56,920	\$57,490	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3071	Tellers	755	706	-49	-6.5	-3.3	30	46	-24	52	\$40,580	\$37,850	High school diploma or equivalent	None	Short-term on-the-job training
43-3099	Financial Clerks, All Other	67	66	-1	-1.5	-0.7	2	4	0	6	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
43-4000	Information and Record Clerks	17,069	17,194	125	0.7	0.4	828	1,243	62	2,133	N/A	N/A			
43-4011	Brokerage Clerks	120	117	-3	-2.5	-1.3	5	8	-2	11	\$65,620	\$61,270	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4051	Customer Service Representatives	6,829	6,874	45	0.7	0.3	322	539	22	883	\$48,590	\$47,260	High school diploma or equivalent	None	Short-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	660	673	13	2.0	1.0	24	34	6	64	\$67,420	\$63,500	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4071	File Clerks	284	284	0	0.0	0.0	16	18	0	34	\$58,640	\$59,110	High school diploma or equivalent	None	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	751	826	75	10.0	4.9	46	84	38	168	\$45,620	\$46,080	High school diploma or equivalent	None	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	620	615	-5	-0.8	-0.4	36	40	-2	74	\$55,440	\$47,820	High school diploma or equivalent	None	Short-term on-the-job training
43-4121	Library Assistants, Clerical	284	279	-5	-1.8	-0.9	25	18	-2	41	\$44,340	\$46,700	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	183	175	-8	-4.4	-2.2	5	10	-4	11	\$54,180	\$57,480	High school diploma or equivalent	None	Short-term on-the-job training
43-4141	New Accounts Clerks	58	55	-3	-5.2	-2.6	2	4	-2	4	\$58,230	\$60,120	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4151	Order Clerks	65	61	-4	-6.2	-3.1	2	4	-2	4	\$52,350	\$53,600	Some college, no degree	None	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	685	679	-6	-0.9	-0.4	26	42	-3	65	\$58,510	\$59,500	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	3,452	3,511	59	1.7	0.9	194	240	30	464	\$42,930	\$37,410	High school diploma or equivalent	None	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	199	206	7	3.5	1.7	8	14	4	26	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	2,813	2,773	-40	-1.4	-0.7	114	184	-20	278	\$61,220	\$60,610	High school diploma or equivalent	None	Short-term on-the-job training
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	4,093	4,077	-16	-0.4	-0.2	159	196	-8	347	N/A	N/A			
43-5021	Couriers and Messengers	508	490	-18	-3.5	-1.8	20	27	-9	38	\$47,420	\$46,460	High school diploma or equivalent	None	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	94	96	2	2.1	1.1	4	6	1	11	\$39,660	\$31,200	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	689	688	-1	-0.2	-0.1	24	38	0	62	\$66,200	\$61,690	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5051	Postal Service Clerks	148	147	-1	-0.7	-0.3	6	5	0	11	\$53,240	\$52,310	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	1,045	1,042	-3	-0.3	-0.1	36	38	-2	72	\$55,520	\$56,140	High school diploma or equivalent	None	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	533	525	-8	-1.5	-0.8	29	17	-4	42	\$54,590	\$62,820	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	443	454	11	2.5	1.2	16	29	6	51	\$59,200	\$49,130	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	552	551	-1	-0.2	-0.1	20	32	0	52	\$49,050	\$47,670	High school diploma or equivalent	None	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	62	65	3	4.8	2.4	2	4	2	8	\$38,450	\$33,600	High school diploma or equivalent	None	Short-term on-the-job training
43-6000	Secretaries and Administrative Assistants	23,807	23,459	-348	-1.5	-0.7	1,202	1,319	-174	2,347	N/A	N/A			
43-6011	Executive Secretaries and Executive Administrative Assistants	5,545	5,405	-140	-2.5	-1.3	278	306	-70	514	\$79,460	\$78,190	High school diploma or equivalent	Less than 5 years	None
43-6012	Legal Secretaries	2,720	2,642	-78	-2.9	-1.4	136	150	-39	247	\$83,610	\$79,630	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6013	Medical Secretaries	1,272	1,297	25	2.0	1.0	66	72	12	150	\$47,880	\$46,550	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	14,270	14,115	-155	-1.1	-0.5	722	792	-78	1,436	\$51,690	\$47,880	High school diploma or equivalent	None	Short-term on-the-job training
43-9000	Other Office and Administrative Support Workers	14,640	14,658	18	0.1	0.1	755	896	9	1,660	N/A	N/A			
43-9021	Data Entry Keyers	338	329	-9	-2.7	-1.3	15	21	-4	32	\$40,750	\$34,590	High school diploma or equivalent	None	Short-term on-the-job training
43-9022	Word Processors and Typists	226	207	-19	-8.4	-4.3	13	12	-10	15	\$49,820	\$46,090	High school diploma or equivalent	None	Short-term on-the-job training
43-9031	Desktop Publishers	123	119	-4	-3.3	-1.6	5	8	-2	11	\$82,360	\$95,260	Associate's degree	None	Short-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	405	390	-15	-3.7	-1.9	14	24	-8	30	\$56,720	\$60,870	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	646	661	15	2.3	1.2	33	41	8	82	\$44,120	\$39,720	High school diploma or equivalent	None	Short-term on-the-job training
43-9061	Office Clerks, General	10,422	10,479	57	0.6	0.3	570	620	28	1,218	\$48,360	\$47,260	High school diploma or equivalent	None	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	322	316	-6	-1.9	-0.9	16	19	-3	32	\$43,930	\$40,300	High school diploma or equivalent	None	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	84	85	1	1.2	0.6	5	6	0	11	\$66,030	\$60,870	Bachelor's degree	None	None
43-9111	Statistical Assistants	142	154	12	8.5	4.1	4	14	6	24	N/A	N/A	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	1,932	1,918	-14	-0.7	-0.4	80	133	-7	206	\$61,220	\$49,150	High school diploma or equivalent	None	Short-term on-the-job training
45-0000	Farming, Fishing, and Forestry Occupations	291	307	16	5.5	2.7	12	34	8	54	\$53,530	\$51,520			
45-2000	Agricultural Workers	270	284	14	5.2	2.6	12	32	7	51	N/A	N/A			
45-2011	Agricultural Inspectors	78	88	10	12.8	6.2	4	10	5	19	N/A	N/A	Bachelor's degree	None	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	49	52	3	6.1	3.0	2	6	2	10	\$44,040	\$45,760	No formal educational credential	None	Short-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	131	131	0	0.0	0.0	6	15	0	21	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
47-0000	Construction and Extraction Occupations	14,211	14,270	59	0.4	0.2	424	970	30	1,424	\$63,860	\$60,360			
47-1000	Supervisors of Construction and Extraction Workers	1,824	1,835	11	0.6	0.3	52	118	6	176	N/A	N/A			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,824	1,835	11	0.6	0.3	52	118	6	176	\$91,840	\$80,870	High school diploma or equivalent	5 years or more	None
47-2000	Construction Trades Workers	11,067	11,131	64	0.6	0.3	323	752	32	1,107	N/A	N/A			
47-2021	Brickmasons and Blockmasons	87	85	-2	-2.3	-1.2	2	6	-1	7	N/A	N/A	High school diploma or equivalent	None	Apprenticeship
47-2022	Stonemasons	36	37	1	2.8	1.4	1	2	0	3	\$76,910	\$77,940	High school diploma or equivalent	None	Apprenticeship
47-2031	Carpenters	1,419	1,438	19	1.3	0.7	42	89	10	141	\$60,190	\$60,140	High school diploma or equivalent	None	Apprenticeship
47-2044	Tile and Marble Setters	74	76	2	2.7	1.3	2	4	1	7	\$49,900	\$37,990	No formal educational credential	None	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	443	431	-12	-2.7	-1.4	10	28	-6	32	\$56,200	\$59,180	No formal educational credential	None	Moderate-term on-the-job training

District of Columbia															
Short-Term Occupational Projections															
2021 to 2023															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
47-2061	Construction Laborers	3,567	3,586	19	0.5	0.3	106	242	10	358	\$43,680	\$46,330	No formal educational credential	None	Short-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	98	95	-3	-3.1	-1.5	3	7	-2	8	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2072	Pile-Driver Operators	74	74	0	0.0	0.0	2	6	0	8	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	497	485	-12	-2.4	-1.2	16	35	-6	45	\$58,150	\$59,600	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	115	117	2	1.7	0.9	3	6	1	10	N/A	N/A	No formal educational credential	None	Moderate-term on-the-job training
47-2082	Tapers	34	34	0	0.0	0.0	1	2	0	3	N/A	N/A	No formal educational credential	None	Moderate-term on-the-job training
47-2111	Electricians	1,417	1,433	16	1.1	0.6	42	104	8	154	\$78,220	\$80,160	High school diploma or equivalent	None	Apprenticeship
47-2121	Glaziers	513	525	12	2.3	1.2	14	40	6	60	\$56,630	\$61,990	High school diploma or equivalent	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	82	83	1	1.2	0.6	2	6	0	8	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
47-2132	Insulation Workers, Mechanical	36	36	0	0.0	0.0	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	466	477	11	2.4	1.2	14	26	6	46	\$50,830	\$46,750	No formal educational credential	None	Moderate-term on-the-job training
47-2151	Pipelayers	127	127	0	0.0	0.0	4	9	0	13	\$46,160	\$47,130	No formal educational credential	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	1,104	1,108	4	0.4	0.2	32	80	2	114	\$76,660	\$77,240	High school diploma or equivalent	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	44	44	0	0.0	0.0	2	2	0	4	\$41,870	\$37,070	No formal educational credential	None	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	315	318	3	1.0	0.5	10	20	2	32	\$58,880	\$60,830	High school diploma or equivalent	None	Apprenticeship
47-2181	Roofers	42	43	1	2.4	1.2	1	3	0	4	\$55,810	\$48,790	No formal educational credential	None	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	268	269	1	0.4	0.2	8	18	0	26	\$74,210	\$76,850	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	162	162	0	0.0	0.0	4	12	0	16	\$64,270	\$63,880	High school diploma or equivalent	None	Apprenticeship
47-3000	Helpers, Construction Trades	484	483	-1	-0.2	-0.1	14	42	0	56	N/A	N/A			
47-3012	Helpers--Carpenters	119	119	0	0.0	0.0	4	10	0	14	\$42,560	\$46,540	No formal educational credential	None	Short-term on-the-job training
47-3013	Helpers--Electricians	294	293	-1	-0.3	-0.2	8	26	0	34	\$46,520	\$44,860	High school diploma or equivalent	None	Short-term on-the-job training
47-4000	Other Construction and Related Workers	755	739	-16	-2.1	-1.1	34	50	-8	76	N/A	N/A			
47-4011	Construction and Building Inspectors	382	382	0	0.0	0.0	21	23	0	44	\$83,910	\$78,770	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	197	180	-17	-8.6	-4.4	7	16	-8	15	\$40,810	\$38,010	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	35	36	1	2.9	1.4	2	2	0	4	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	53	53	0	0.0	0.0	1	4	0	5	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4090	Miscellaneous Construction and Related Workers	45	45	0	0.0	0.0	2	4	0	6	\$64,600	\$61,330	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5000	Extraction Workers	81	82	1	1.2	0.6	2	7	0	9	N/A	N/A			
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Minin	56	56	0	0.0	0.0	2	5	0	7	N/A	N/A	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
49-0000	Installation, Maintenance, and Repair Occupations	8,426	8,612	186	2.2	1.1	276	542	93	911	\$63,550	\$60,590			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	454	456	2	0.4	0.2	13	27	1	41	N/A	N/A			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	454	456	2	0.4	0.2	13	27	1	41	\$90,880	\$92,210	High school diploma or equivalent	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	993	1,016	23	2.3	1.2	31	68	12	111	N/A	N/A			
49-2011	Computer, Automated Teller, and Office Machine Repairers	78	79	1	1.3	0.6	2	6	0	8	\$45,500	\$47,130	Some college, no degree	None	Short-term on-the-job training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line In	482	499	17	3.5	1.7	17	38	8	63	\$72,590	\$77,970	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2091	Avionics Technicians	108	112	4	3.7	1.8	2	5	2	9	N/A	N/A	Associate's degree	None	None
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipm	179	179	0	0.0	0.0	5	9	0	14	\$93,370	\$79,290	Postsecondary non-degree award	None	Long-term on-the-job training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	47	48	1	2.1	1.1	2	2	0	4	N/A	N/A	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training
49-2098	Security and Fire Alarm Systems Installers	98	98	0	0.0	0.0	2	8	0	10	\$58,090	\$59,760	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	856	857	1	0.1	0.1	25	59	0	84	N/A	N/A			
49-3021	Automotive Body and Related Repairers	50	51	1	2.0	1.0	2	3	0	5	N/A	N/A	High school diploma or equivalent	None	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	508	500	-8	-1.6	-0.8	15	34	-4	45	\$60,580	\$60,590	Postsecondary non-degree award	None	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	93	92	-1	-1.1	-0.5	2	6	0	8	N/A	N/A	High school diploma or equivalent	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	91	90	-1	-1.1	-0.6	2	6	0	8	\$68,160	\$73,650	High school diploma or equivalent	None	Long-term on-the-job training
49-3091	Bicycle Repairers	78	86	8	10.3	5.0	2	7	4	13	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3093	Tire Repairers and Changers	35	36	1	2.9	1.4	1	3	0	4	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
49-9000	Other Installation, Maintenance, and Repair Occupations	6,123	6,283	160	2.6	1.3	208	388	80	676	N/A	N/A			
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32	32	0	0.0	0.0	0	2	0	2	\$85,260	\$80,480	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	291	292	1	0.3	0.2	8	20	0	28	\$70,130	\$75,050	Postsecondary non-degree award	None	Long-term on-the-job training
49-9031	Home Appliance Repairers	31	31	0	0.0	0.0	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	226	234	8	3.5	1.8	7	12	4	23	\$75,470	\$79,290	High school diploma or equivalent	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	31	31	0	0.0	0.0	1	2	0	3	\$58,860	\$56,780	High school diploma or equivalent	None	Long-term on-the-job training
49-9044	Millwrights	67	68	1	1.5	0.7	2	4	0	6	N/A	N/A	High school diploma or equivalent	None	Apprenticeship
49-9051	Electrical Power-Line Installers and Repairers	215	211	-4	-1.9	-0.9	4	14	-2	16	\$74,690	\$74,420	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	451	464	13	2.9	1.4	10	38	6	54	\$72,370	\$78,010	High school diploma or equivalent	None	Long-term on-the-job training
49-9062	Medical Equipment Repairers	44	44	0	0.0	0.0	2	2	0	4	\$62,210	\$58,940	Associate's degree	None	Moderate-term on-the-job training
49-9071	Maintenance and Repair Workers, General	4,155	4,263	108	2.6	1.3	148	246	54	448	\$53,270	\$48,090	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9094	Locksmiths and Safe Repairers	52	51	-1	-1.9	-1.0	2	3	0	5	\$63,610	\$61,630	High school diploma or equivalent	None	Long-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	364	398	34	9.3	4.6	16	32	17	65	\$55,910	\$58,580	High school diploma or equivalent	None	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	97	97	0	0.0	0.0	4	6	0	10	\$55,380	\$51,790	High school diploma or equivalent	None	Moderate-term on-the-job training
51-0000	Production Occupations	5,353	5,499	146	2.7	1.4	235	394	73	702	\$67,170	\$62,020			
51-1000	Supervisors of Production Workers	289	293	4	1.4	0.7	9	20	2	31	N/A	N/A			
51-1011	First-Line Supervisors of Production and Operating Workers	289	293	4	1.4	0.7	9	20	2	31	\$87,740	\$89,410	High school diploma or equivalent	Less than 5 years	None
51-2000	Assemblers and Fabricators	190	200	10	5.3	2.6	6	14	5	25	N/A	N/A			
51-2041	Structural Metal Fabricators and Fitters	69	69	0	0.0	0.0	2	6	0	8	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2090	Miscellaneous Assemblers and Fabricators	117	125	8	6.8	3.4	4	8	4	16	\$42,760	\$39,660	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3000	Food Processing Workers	966	1,065	99	10.3	5.0	50	75	50	175	N/A	N/A			
51-3011	Bakers	536	604	68	12.7	6.2	32	42	34	108	\$45,160	\$37,400	No formal educational credential	None	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	180	182	2	1.1	0.6	8	14	1	23	\$45,280	\$45,650	No formal educational credential	None	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	184	212	28	15.2	7.3	8	14	14	36	\$37,870	\$38,090	No formal educational credential	None	Short-term on-the-job training
51-3092	Food Batchmakers	43	44	1	2.3	1.2	2	3	0	5	\$36,940	\$36,780	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4000	Metal Workers and Plastic Workers	331	333	2	0.6	0.3	10	24	1	35	N/A	N/A			
51-4041	Machinists	54	53	-1	-1.9	-0.9	2	4	0	6	\$85,600	\$78,450	High school diploma or equivalent	None	Long-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Ten	55	56	1	1.8	0.9	2	4	0	6	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plast	35	36	1	2.9	1.4	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	145	145	0	0.0	0.0	4	12	0	16	\$71,230	\$65,810	High school diploma or equivalent	None	Moderate-term on-the-job training



District of Columbia															
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Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		Base Quarter 2021	Base Quarter 2023	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Annual Total Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
51-5100	Printing Workers	1,144	1,129	-15	-1.3	-0.7	46	85	-8	123	N/A	N/A			
51-5111	Prepress Technicians and Workers	295	290	-5	-1.7	-0.9	11	28	-2	37	\$90,210	\$86,840	Postsecondary non-degree award	None	None
51-5112	Printing Press Operators	551	546	-5	-0.9	-0.5	20	38	-2	56	\$89,940	\$99,880	High school diploma or equivalent	None	Moderate-term on-the-job training
51-5113	Print Binding and Finishing Workers	298	293	-5	-1.7	-0.8	14	18	-2	30	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6000	Textile, Apparel, and Furnishings Workers	710	731	21	3.0	1.5	46	46	10	102	N/A	N/A			
51-6011	Laundry and Dry-Cleaning Workers	465	491	26	5.6	2.8	31	32	13	76	\$33,830	\$31,200	No formal educational credential	None	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	101	93	-8	-7.9	-4.0	5	6	-4	7	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	88	88	0	0.0	0.0	7	4	0	11	N/A	N/A	No formal educational credential	None	Moderate-term on-the-job training
51-7000	Woodworkers	75	77	2	2.7	1.3	3	5	1	9	N/A	N/A			
51-7011	Cabinetmakers and Bench Carpenters	34	34	0	0.0	0.0	2	2	0	4	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	32	34	2	6.3	3.1	1	2	1	4	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8000	Plant and System Operators	987	999	12	1.2	0.6	38	69	6	113	N/A	N/A			
51-8021	Stationary Engineers and Boiler Operators	547	560	13	2.4	1.2	26	40	6	72	\$80,850	\$78,990	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water and Wastewater Treatment Plant and System Operators	213	214	1	0.5	0.2	6	13	0	19	\$76,300	\$78,890	High school diploma or equivalent	None	Long-term on-the-job training
51-8099	Plant and System Operators, All Other	183	180	-3	-1.6	-0.8	4	14	-2	16	\$70,560	\$73,070	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9000	Other Production Occupations	661	672	11	1.7	0.8	27	56	6	89	N/A	N/A			
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	87	84	-3	-3.5	-1.7	4	7	-2	9	\$53,920	\$55,740	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	79	82	3	3.8	1.9	4	6	2	12	\$39,690	\$37,800	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	153	165	12	7.8	3.8	8	16	6	30	\$43,110	\$38,790	High school diploma or equivalent	None	Short-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	32	31	-1	-3.1	-1.6	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9162	Computer Numerically Controlled Tool Programmers	39	42	3	7.7	3.8	2	3	2	7	N/A	N/A	Postsecondary non-degree award	None	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	70	71	1	1.4	0.7	4	6	0	10	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
51-9199	Production Workers, All Other	86	84	-2	-2.3	-1.2	3	6	-1	8	\$75,350	\$79,010	High school diploma or equivalent	None	Moderate-term on-the-job training
53-0000	Transportation and Material Moving Occupations	16,697	17,105	408	2.4	1.2	940	1,248	204	2,392	\$54,190	\$47,480			
53-1000	Supervisors of Transportation and Material Moving Workers	767	783	16	2.1	1.0	28	54	8	90	N/A	N/A			
53-1047	FirstLine Supervisors of Transportation & Material Moving Workers, Except	766	782	16	2.1	1.0	28	54	8	90	\$69,720	\$62,520	High school diploma or equivalent	Less than 5 years	None
53-2000	Air Transportation Workers	714	710	-4	-0.6	-0.3	19	49	-2	66	N/A	N/A			
53-2021	Air Traffic Controllers	699	694	-5	-0.7	-0.4	18	48	-2	64	\$103,940	\$130,510	Associate's degree	None	Long-term on-the-job training
53-3000	Motor Vehicle Operators	7,235	7,405	170	2.4	1.2	466	420	85	971	N/A	N/A			
53-3031	Driver/Sales Workers	811	934	123	15.2	7.3	36	59	62	157	\$38,230	\$32,310	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	724	698	-26	-3.6	-1.8	29	48	-13	64	\$56,530	\$60,020	Postsecondary non-degree award	None	Short-term on-the-job training
53-3033	Light Truck or Delivery Services Drivers	844	896	52	6.2	3.0	36	59	26	121	\$46,840	\$46,550	High school diploma or equivalent	None	Short-term on-the-job training
53-3052	Bus Drivers, Transit and Intercity	1,694	1,660	-34	-2.0	-1.0	110	84	-17	177	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	1,860	1,889	29	1.6	0.8	124	93	14	231	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	1,291	1,316	25	1.9	1.0	132	76	12	220	\$60,260	\$62,900	No formal educational credential	None	Short-term on-the-job training
53-6000	Water Transportation Workers	54	65	11	20.4	9.7	2	5	6	13	N/A	N/A			
53-6000	Other Transportation Workers	3,292	3,359	67	2.0	1.0	188	284	34	506	N/A	N/A			
53-6021	Parking Lot Attendants	1,520	1,568	48	3.2	1.6	75	160	24	259	\$32,940	\$31,530	No formal educational credential	None	Short-term on-the-job training
53-6031	Automotive and Watercraft Service Attendants	31	32	1	3.2	1.6	2	3	0	5	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
53-6041	Traffic Technicians	151	154	3	2.0	1.0	7	14	2	23	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
53-6051	Transportation Inspectors	325	324	-1	-0.3	-0.2	11	24	0	35	\$111,290	\$102,710	High school diploma or equivalent	None	Moderate-term on-the-job training
53-6061	Transportation Attendants, Except Flight Attendants	800	820	20	2.5	1.2	72	44	10	126	\$47,650	\$48,880	High school diploma or equivalent	None	Short-term on-the-job training
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	465	461	-4	-0.9	-0.4	22	41	-2	61	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
53-7000	Material Moving Workers	4,634	4,781	147	3.2	1.6	237	436	74	747	N/A	N/A			
53-7021	Crane and Tower Operators	31	30	-1	-3.2	-1.6	1	2	0	3	\$82,820	\$79,260	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	61	59	-2	-3.3	-1.7	2	4	-1	5	\$52,640	\$55,380	No formal educational credential	None	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	185	190	5	2.7	1.3	9	16	2	27	\$45,040	\$45,800	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,209	1,273	64	5.3	2.6	54	108	32	194	\$40,960	\$37,090	No formal educational credential	None	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	134	132	-2	-1.5	-0.7	8	11	-1	18	\$34,830	\$33,650	No formal educational credential	None	Short-term on-the-job training
53-7065	Stockers and Order Fillers	2,342	2,433	91	3.9	1.9	136	233	46	415	\$37,790	\$36,870	High school diploma or equivalent	None	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	608	599	-9	-1.5	-0.7	26	54	-4	76	\$52,050	\$48,880	No formal educational credential	None	Short-term on-the-job training
53-7199	Material Moving Workers, All Other	55	56	1	1.8	0.9	2	5	0	7	N/A	N/A	No formal educational credential	None	Short-term on-the-job training

N/A: Not Available

\* Total Openings: Sum of Exits, Transfers, and Numerical Change

\*\* Wages: Bureau of Labor Statistics, Occupational Employment and Wage Statistics (OEWS) May 2021 District of Columbia Occupational Employment and Wage Estimates

Base Quarter is Second Quarter

Exits: the projected number of workers leaving an occupation and exiting the labor force entirely.

Transfers: the projected number of workers leaving an occupation and transferring to a different occupation.

Note: Occupation subtotals may not add to the totals due to the suppression of data

Source: DOES - LMI